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REMOVAL SITE EVALUATION RECONSTRUCTION OF THE BOILER HOUSE ELEVATION 656'6" AUGUST 1992

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DOE/WEMCO 10 RSE

REMOVAL SITE EVALUATION RECONSTRUCTION OF THE BOILER HOUSE ELEVATION 656° 6"

Fernald Site Office
U. S. Department of Energy

AUGUST 1992

REMOVAL SITE EVALUATION

RECONSTRUCTION OF BOILER HOUSE ELEVATION 656' 6"

INTRODUCTION

This project consists of the removal of structural steel, steel decking, and transite asbestos siding, and miscellaneous electrical conduit and fixtures that were damaged during the Boiler House bunker coal fire on January 20, 1992. The area of construction known as the coal gallery, elevation 656' 6", has never been used for the production of uranium or thorium. There were no hazardous materials stored or spilled in the construction area prior to or as a result of the fire.

This project also consists of installing a new underground fire line on the east side of "B" Street, starting north of the Tank Farm and extending north past the Boiler House to tie-in to an existing main line. The installation of the new fire line will generate concrete and asphalt waste, and wood waste such as railroad ties and shoring material. This waste will be generated wherever the line is installed in a presently paved area or railroad crossing. Any soil and gravel excavated will be used as backfill.

This Removal Site Evaluation (RSE) has been completed by the Department of Energy (DOE) under authorities delegated by Executive Order 12580 under Section 104 of CERCLA and is consistent with Section 300.410 of the National Oil and Hazardous Substance Pollution Contingency Plan (NCP). This RSE addresses the construction and demolition activities related to products that are part of the Boiler House structure. It has been completed to support the decision as to whether the present conditions warrant a removal action.

SOURCE TERM

Consistent with Section 40 CFR 300.410 (a) of the NCP, the removal site evaluation includes a removal preliminary assessment which may be based on readily available information as described in 40 CFR 300.410 (c).

Sampling and analysis was not required for the RCRA determination due to the process knowledge available for this project.

Reference:

WENCO:EN(FME):92-130, C. G. Rieman to D. T. Edwards, "RCRA Determination and Radiological Characterization for the Reconstruction of Boiler House Elevation 656 Feet", dated March 27, 1992.

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WEMCO: EM(FME): 92-229, C. G. Rieman to D. T. Edwards, "Addition RCRA Determination and Radiological Characterization for the Reconstruction of Boiler House Elevation 656 Feet", dated May 20, 1992.

WEMCO: EM:RCRA(RME):92-020, C. G. Rieman to D. T. Edwards, "RCRA Determination and Radiological Characterization for the New Fire Line to the Boiler House, dated August 4, 1992.

The structural steel and steel decking waste, and transite siding which contains asbestos is RCRA nonhazardous (a.k.a. non-RCRA) waste.

The lead washers, anchors, and flashing waste is a RCRA hazardous waste. The lead waste may be disposed of as RCRA D008 waste.

The rubble waste (concrete and asphalt), and wood waste (railroad ties and new material or shoring) is RCRA nonhazardous (a.k.a. non-RCRA) waste.

The waste material (metal, electrical conduit, light fixtures, juction boxes, wire, electric motors, ventilators, plastic, cardboard, paper, and work clothes) are RCRA nonhazardous (a.k.a. non-RCRA) waste if the conditions specified in the RCRA Determinations referenced above are met.

Radiological Survey Reports of the coal bunker made after the fire determined that all readings were less than minimum detectable amounts (MDA), measured as DPM/100 cm² Beta-Gamma Fixed Plus Removable.

EVALUATION OF THE MAGNITUDE OF THE POTENTIAL THREAT

- 1. The metal is considered uncontaminated based on the most recent radiological data obtained from Radiological Survey Report dated February 2, 1992. The structural material removed will be resurveyed in accordance with SP-P-35-010 "Unrestricted Release of Materials from FMPC". If the structural steel removed is found within free-release limits it can be sold as scrap metal.
- 2. Based on process knowledge the construction waste is not regulated by RCRA, except for the lead washers and flashings. A Material Evaluation Form (MEF) will be written for the lead. It will be appropriately containerized after removal and stored in the RCRA warehouse. If the lead is not radiologically contaminated attempts will be made to recycle the material.

ASSESSMENT OF THE NEED FOR REMOVAL ACTION

Consistent with Section 40 CFR 300.410 and 40 CFR300.415 (B)(2) of the NCP, the Department of Energy shall determine the appropriateness of a removal action. Eight factors to be considered in this determination are listed in 40 CFR 300.415 (b)(2).

Based on the sampling data presented herein, none of the eight factors listed in the NCP are applicable to "The Reconstruction of the Boiler House Elevation 656' 6".

Consistent with Section 40 CFR 300.400 (b) *Limitations on response*, a removal action or remedial action under section 104 of CERCLA shall not be undertaken in response to a release:

(2) From products that are part of the structure of, and result in exposure within, residential buildings or business or community structures.

APPROPRIATENESS OF A RESPONSE

Consistent with Section 40 CFR 300.410 (e) a removal site evaluation shall be terminated when the OSC or lead agency determines one is not required.

The following factors apply specifically to the Reconstruction of the Boiler House El. 656' 6":

40 CFR 300.410 (e)(1) There is no release:

40 CFR 300.410 (e)(2)

The source is neither a vessel nor a facility as defined in 300.5 of the NCP;

If it is determined that a response action is appropriate due to the presence of a release or possible relaese a removal action may be required to address the existing situation.

If a planing period of less than six months exists prior to initiation of a response action, DOE will issue an Action Memorandum. The Action Memorandum will describe the selected response and provide supporting documentation for the decision.

If it is determined that there is a planning period greater than six months before a response is initiated, DOE will issue an Engineering Evaluation/Cost Analysis (EE/CA) Approval Memorandum. This memorandum is to be used to document the threat of public health and the environment and to evaluate viable alternative response actions. It will also serve as a decision document to be included in the Administration Record.

Based on the evaluation of all the above factors, it has been determined that existing controls for the planned action are adequate and a removal action is not required.



From: C. G. Rieman\6828

WEMCO: EM: RCRA(FME):92-020

Date: August 4, 1992

Subject: RCRA DETERMINATION AND RADIOLOGICAL CHARACTERIZATION FOR THE NEW FIRE LINE

TO THE BOILER HOUSE

To : D. T. Edwards

Ref: 1. WEMCO Site Standard Operating Procedure, SSOP-0044, "Management of Soil, Debris and Waste from a Project", issued June 10, 1992

2. WEMCO Safety Procedure SP-P-35-010, "Unrestricted Release of Materials From FMPC", issued March 13, 1990

3. Environmental Compliance Spill/Release Incident Tracking Report, Dated July 21, 1992

4. Upset Condition Documentation, issued September 18, 1990

This memo transmits the RCRA determination and radiological characterization for the waste to be generated from this project. The waste to be generated consists of 1000 cubic feet of rubble (concrete and asphalt), approximately 125,000 pounds wood (railroad ties), approximately 500 pounds, wood (shoring) approximately 100 pounds, and approximately 60 cubic feet of plastic, paper, cardboard, and protective clothing (anti-C, rubber gloves, etc.).

PROCESS KNOWLEDGE

This project is located in the controlled area of the FEMP on the east side of "B" Street, north of the tank farm (Fire Line FQ1-17-8"-L1) to north of the Boiler House (Fire Line FQ1-4-12"-L1), with branch lines to the Boiler House. Attachment Number I shows the location of this project.

This project will consist of installing a new 8" fire line in the location described above with 6" branch extending to the Boiler House. The soil will be excavated to a depth of approximately four feet. The soil excavated will be used as backfill and no soil will be generated from this project.

The installation of the new fire line will generate concrete and asphalt waste. Since the new line will pass under the railroad tracks, several railroad ties will also be generated as waste.

The wood waste to be generated will be new material (not pressure treated) used as shoring material in the trenches.

The plastic waste to be generated, will be from plastic sheets, used as dust barricades and plastic bags used to wrap any radiologically contaminated waste.

The cardboard and paper waste will be from off site, used to package and transport any new equipment that is to be installed.

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The protective clothing to be generated (anti-C clothing, rubber gloves, etc.) will be used for worker protection, if required.

SAMPLING AND ANALYSIS

Three samples of asphalt were taken from the construction area and analyzed for TCLP VOAs and Semi-VOAs. Also two samples of the railroad ties were taken and analyzed for TCLP metals and Semi-VOAs. Analytical results are shown in Table Numbers 1 and 2.

RADIOLOGICAL CHARACTERIZATION

The waste from this project will have to be monitored by the Radiological Safety Group for proper radiological disposition per Reference Numbers 1 and 2.

RCRA DETERMINATION

The rubble waste (concrete and asphalt) to be generated from this project is RCRA nonhazardous (a.k.a. non-RCRA) based upon process knowledge and the analytical results (below TC regulatory levels) shown in Table 1.

The wood waste (railroad ties) to be generated from this project is also RCRA nonhazardous (a.k.a. non-RCRA) based upon the analytical results (below the TC regulatory levels) shown in Table 2.

The wood waste (new material) (shoring) to be generated from this project is RCRA nonhazardous (a.k.a. non-RCRA) based upon process knowledge of the material.

The plastic waste to be generated from this project is RCRA nonhazardous (a.k.a. non-RCRA), provided that it meets the conditions specified in MEF-1539, dated February 11, 1992, Attachment Number II.

The paper, cardboard and protective clothing to be generated from this project are RCRA nonhazardous (a.k.a. non-RCRA), provided they meet the following conditions.

- o Do not contain any entrapped liquids.
- The waste material has not come in contact with any acutely toxic waste. Attachment Number II contains the list of acutely toxic wastes.

WEMCO: EM(FME): 92-130

The transite siding which contains asbestos is a RCRA nonhazardous (a.k.a. non-RCRA) waste based upon process knowledge. Handling of asbestos containing material should be handled in accordance with WEMCO procedures OS&H-P-41-006 and IH&S-IH-03.

The lead washers, anchors, and flashing is a RCRA hazardous waste. The lead waste may be disposed of as RCRA D008.

SUMMARY

The structural steel and steel decking waste is RCRA nonhazardous (a.k.a. non-RCRA) waste.

The transite siding which contains asbestos is RCRA nonhazardous (a.k.a. non-RCRA) waste.

The lead washers, anchors, and flashing waste is a RCRA hazardous waste. The lead waste may be disposed of as RCRA DOOB waste.

This determination applies only to the steel, transite, and lead washers, anchors, and flashing listed on the Construction Waste Identification/Disposition (CWID) form date January 31, 1992.

If any additional waste is generated from this project, and additional RCRA determination will be required.

If there are any questions, please contact me at extension 6828 or C. S. Waugh at extension 6777.

C. G. Rieman

Facilities and Materials Evaluation Environmental Management

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FME Files Central Files



From:

C. G. Rieman

WEMCO: EM(FME): 92-130

Date:

March 27, 1992

Subject:

RCRA DETERMINATION AND RADIOLOGICAL CHARACTERIZATION FOR THE RECONSTRUCTION OF BOILER HOUSE ELEVATION 656 FEET

To: D. T. Edwards

Ref: 1. FEMP Site Standard Operating Procedure SSOP-0044I, "Controlling the Generation of Construction/Maintenance Waste", issued February 19, 1992

- 2. Environmental Compliance Spill/Release Incident Tracking Report, dated February 28, 1992
- 3. Upset Condition Documentation, issued September 18, 1990
- 4. WEMCO Document No. WEMCO: EC&QA(OU3/FME): 91-390, "Metal Coated With Lead-Based Paint", October 23, 1991

This memo transmits the RCRA determination and radiological characterization for the construction waste to be generated for the above-referenced project. The waste to be generated consists of approximately 44,440 pounds of structural steel, approximately 12,135 pounds of transite siding, and approximately 120 pounds of lead washers, anchors, and flashing.

PROCESS KNOWLEDGE

The project will include the removal of structural steel, steel decking, and transite asbestos siding that was damaged during the bunker coal fire on January 20, 1992. Removal of the siding will also generated lead washers, anchors, and flashing. The existing structural steel and steel decking is painted with Red Lead Primer, however, the major portion of the paint was burned off from the heat of the fire. The roof and walls are constructed of corrugated asbestos siding that is fastened using 1/4 inch bolts and lead washers. Material used in weatherproofing penetrations and connections between asbestos panels is constructed of 4-inch sheet metal lead flashing.

The area of Construction has never been used for the production of uranium or thorium. There were no hazardous materials stored of spilled in the construction area per References Numbers 2 and 3.

SAMPLING AND ANALYSIS

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Sampling and analysis was not required due to the process knowledge available for this project.

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WEMCO: EM(FME): 92-130

RADIOLOGICAL CHARACTERIZATION

The waste to be generated (structural steel, steel decking, asbestos siding, and lead) will require monitoring by the Radiological Safety Group to determination radiological characterization for proper disposal.

RCRA DETERMINATION

The structural steel and steel decking has been painted with Red Lead Primer. The primer is the only potential source of hazardous constituents. Since OAC 3745-51-20(C) [40 CFR 261.20(c)] states that the entire waste must be evaluated, the following calculation is employed to mathematically determine the lead concentration taking into account the entire waste and not just the paint. The calculation is based upon the thickness ratio of paint to metal.

TC Where;	>	$V_{TCLP} \bullet (Q_p * h)/((H \bullet Q_s) + (h \bullet Q_p)) \bullet S%$
TC	=	Regulatory level for lead, 5.0 ppm
V _{TCLP}	. •	Analytical value for lead in paint, 50 ppm
h	=	Paint thickness, inches
. H	=	Substrate thickness, inches
Q _n	=	Paint density, 1b./cu.ft.
Q.		Substrate density, 1b./cu.ft.
Q. Q. S%	=	Percent of substrate's surface covered with paint, 100%

Since the density of steel (500 lb./cu.ft.) is approximately the same as the density of paint (482 lb./cu.ft.), the above equation simplifies to the following:

TC =
$$(h \cdot TCLP) / (H + h)$$
 for 100% painted surface

An average thickness for paint is 0.010 inch based on other site sampling projects. Engineering data indicates that the thinnest metal to be removed has a thickness of 0.25 inches. The lead concentration in the paint is assumed to be no greater than 50 ppm based on other site paint analyses and this concentration can be assigned as the maximum TCLP value. The TCLP lead value for 0.25 inch thick metal with 0.01 inches of paint with a concentration of 50 ppm is calculated to be 1.92 ppm. The metal waste is therefore classified as RCRA nonhazardous (a.k.a. non-RCRA).

This methodology for characterizing waste coated with lead based paint, Reference Number 4, has been submitted to Ohio EPA for review. A verbal approval for use of this method in RCRA determinations has been received.

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WEMCO: EM: RCRA(FME): 92-020

No materials have been identified that would cause the waste from this project to meet any of the hazardous waste listings under OAC 3745-51 (in lieu of 40 CFR 261, Subpart D) or exhibit any of the hazardous waste characteristics under OAC 3745-51-21 to 24 (in lieu of 40 CFR 261.21 to 24) or the revised Toxicity Characteristics under 40 CFR 261.24.

SUMMARY

The rubble waste (concrete, asphalt) and wood waste (railroad ties and shoring) can be disposed of as RCRA nonhazardous (a.k.a. non-RCRA). The plastic, paper, cardboard and protective clothing waste can also be disposed of as RCRA nonhazardous (a.k.a. non-RCRA) if they meet the conditions specified above. These waste will have to be monitored by the Radiological Safety Group for proper radiological disposition per Reference Numbers 1 and 2.

If any additional waste is generated from this project, an additional RCRA determination will be required.

If there are any questions, please contact me at extension 6828 or C. S. Waugh at extension 6777.

Facilities and Materials Evaluation

CGR/bbs

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Attachments

c w/Attachments

- J. E. Clements c:
 - C. L. Griffin
 - L. A. Hurst
 - H. J. Knue
 - L. M. March
 - B. S. Perkins
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Central File FME File

TABLE NUMBER 1 VOLATILE ORGANICS ANALYTICAL RESULTS

			SAMPLE	NUMBER AND LOCAT	ION	
VOLATILE ORGANICS	MATRIX	mg/L	mg/L	mg/L	mg/L	mg/L
		920603-184	920603-185	920603-186	920603-189	REGULATORY LEVEL
VINYL CHLORIDE	ASPHALT	<0.15	<0.15	<0.15	<0.15	. 20
1,1-DICHLOROETHYLENE	ASPHALT	<0.12	<0.12	<0.12	<0.12	.70
2-BUTANONE (MEK)	ASPHALT	<0.25	<0.25	<0.25	<0.25	200
CHLOROFORM	ASPHALT	<0.12	<0.12	<0.12	<0.12	6.0
CARBON TETRACHLORIDE	ASPHALT	<0.15	<0.15	<0.15	<0.15	. 50
BENZENE	ASPHALT	<0.09	<0.09	<0.09	<0.09	. 50
1,2-DICHLOROETHANE	ASPHALT	<0.10	<0.10	<0.10	<0.10	.50
TRICHLOROETHYLENE	ASPHALT	<0.22	<0.22	<0.22	<0.22	.50
CHLOROBENZENE	ASPHALT	<0.19	<0.19	<0.19	<0.19	100
TETRACHLOROÉTHYLENE	ASPHALT	<0.50	<0.50	<0.50	<0.50	.70
1,4-DICHLOROBENZENE	ASPHALT	<0.35	<0.35	<0.35	<0.35	7.5

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TABLE NUMBER 1 SEMI-VOLATILE ORGANICS ANALYTICAL RESULTS

		·	SAMPLE	NUMBER AND LOCAT	TION	
SEMI-VOLATILE ORGANICS	MATRIX	mg/L	mg/L	mg/L	mg/L	mg/L
		920603-184	920603-185	920603-186	920603-189	REGULATORY LEVEL
PYRIDINE	ASPHALT	<0.08	<0.08	<0.08	<0.08	5.0
O-CRESOL	ASPHALT	<0.04	<0.04	<0.04	<0.04	200
HEXACHLOROETHANE	ASPHALT	<0.04	<0.04	<0.04	<0.04	3.0
M,P-CRESOL	ASPHALT	<0.04	<0.04	<0.04	<0.04	200
NITROBENZENE	ASPHALT	<0.04	<0.04	<0.04	<0.04	2.0
HEXACHLOROBUTADIENE	ASPHALT	<0.04	<0.04	<0.04	<0.04	0.5
2,4,6-TRICHLOROPHENOL	ASPHALT	<0.04	<0.04	<0.04	<0.04	2.0
2,4,5-TRICHLOROPHENOL	ASPHALT	<0.04	<0.04	<0.04	<0.04	400
2,4-DINITROTOLUENE	ASPHALT	<0.04	<0.04	<0.04	<0.04	0.13
HEXACHLOROBENZENE	ASPHALT	<0.04	<0.04	<0.04	<0.04	0.13
PENTACHLOROPHENOL	ASPHALT	<0.04	<0.04	<0.04	<0.04	100

TABLE NUMBER 2 SEMI-VOLATILE ORGANICS ANALYTICAL RESULTS

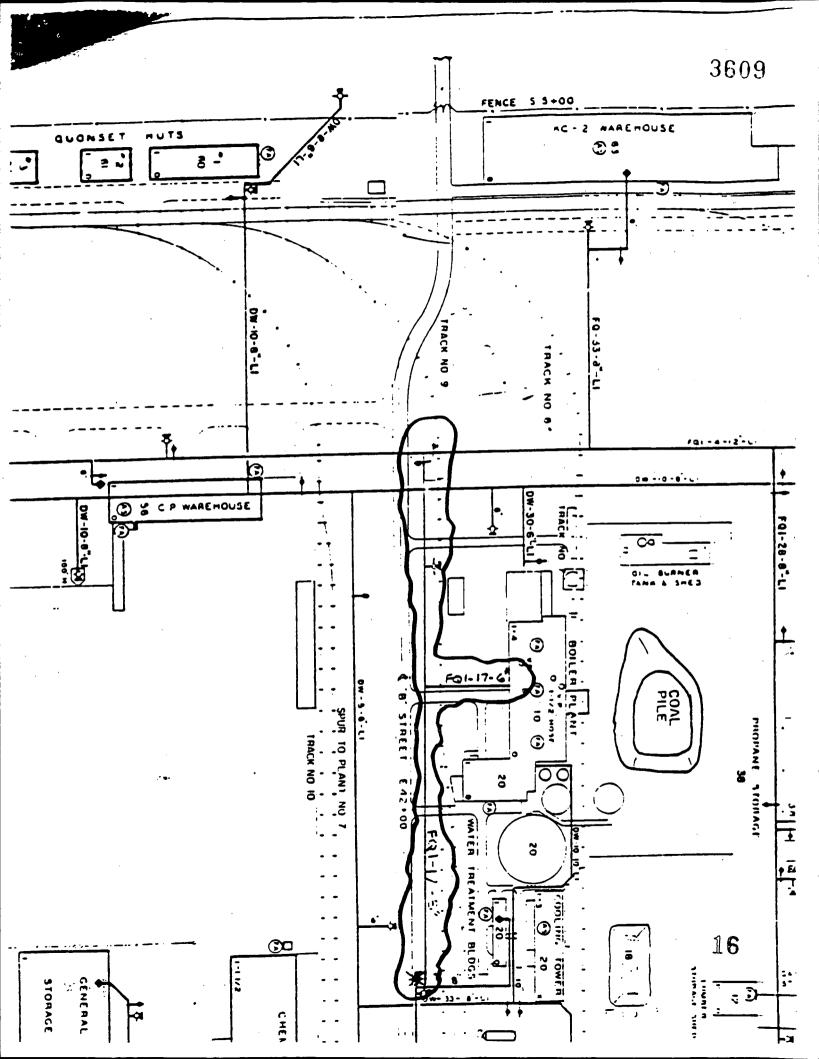
		SAMPLE	NUMBER AND LOCA	TION
SEMI-VOLATILE ORGANICS	MATRIX	mg/L	mg/L	mg/L
		920603-187	920603-188	REGULATORY LEVEL
PYRIDINE	RAILROAD TIES	<0.08	<0.08	5.0
O-CRESOL	RAILROAD TIES	<0.04	<0.04	200
HEXACHLOROETHANE	RAILROAD TIES	<0.04	<0.04	3.0
M,P-CRESOL	RAILROAD TIES	<0.04	<0.04	200
NITROBENZENE	RAILROAD TIES	<0.04	<0.04	2.0
HEXACHLOROBUTADIENE	RAILROAD TIES	<0.04	<0.04	0.5
2,4,6-TRICHLOROPHENOL	RAILROAD TIES	<0.04	<0.04	2.0
2,4,5-TRICHLOROPHENOL	RAILROAD TIES	<0.04	<0.04	400
2,4-DINITROTOLUENE	RAILROAD TIES	<0.04	<0.04	0.13
HEXACHLOROBENZENE	RAILROAD TIES	<0.04	<0.04	0.13
PENTACHLOROPHENOL	RAILROAD TIES	<0.04	<0.04	100

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TABLE NUMBER 2 TCLP METAL ANALYTICAL RESULTS

		SAMPLE	NUMBER AND LOCA	TION
SEMI-VOLATILE ORGANICS	MATRIX	mg/L	mg/L	mg/L
·		920603-187	920603-188	REGULATORY LEVEL
ARSENIC	RAILROAD TIES	<0.010	0.0107	5.0
BARIUM	RAILROAD TIES	0.9484	0.9184	100
CADMIUM	RAILROAD TIES	0.0124	0.0050	1.0
CHROMIUM	RAILROAD TIES	0.0155	<0.010	5.0
LEAD	RAILROAD TIES	0.041	0.012	5.0
MERCURY	RAILROAD TIES	<0.0002	<0.0002	. 20
SELENIUM	RAILROAD TIES	<0.005	<0.005	1.0
SILVER	RAILROAD TIES	0.0110	<0.010	5.0

ATTACHMENT NUMBER I LOCATION OF CONSTRUCTION SITE



ATTACHMENT NUMBER II PLASTIC MEF NUMBER 1539

Attachment 1

MEF # 1539 REV # 1

Plastic materials are considered to be RCRA nonhazardous if the following criteria are met:

- Does not contain any entrapped liquids,
- Spills which may occur on plastic (i.e., tarps) must be cleaned-up according to SOP-20-C-606 and FMPC-503 Procedure before disposal,
- Plastic insulation on electrical wire is not regulated (the wire must be addressed through the metals checklist).
- Plastic containers (i.e., sample jars) must be "empty" as defined by ORC 3745-51-07 in lieu of CFR 40 261.7,
 - (B)(1) A container or an inner liner removed from a container that has held any hazardous waste, except a waste that is a compressed gas or that is identified as an acute hazardous waste in rule 3745-51-31, 3745-51-32, or paragraph (E) of rule 3745-51-33 of the Administrative Code, is empty if:
 - (a) All wastes have been removed that can be removed using the practices commonly employed to remove materials from that type of container, e.g., pouring, pumping, and aspirating; and

(b) No more than 2.5 centimeters (one inch) of residue remain on the bottom of the container or inner liner; or

- (c)(i) No more than three percent by weight of the total capacity of the container remains in the container or inner liner if the container is less than or equal to one hundred ten gallons in size;
- (ii) No more than 0.3 per cent by weight of the total capacity of the container remains in the container or inner liner if the container is greater than one hundred ten gallons in size.
- (2) A container that has held a hazardous waste that is a compressed gas is empty when the pressure in the container—approaches atmospheric.
- (3) A container or inner liner removed from a container that has held an acute hazardous waste listed in rule 3745-51-31, 3745-51-32, or paragraph (E) of rule 3745-51-33 of the Administrative Code is empty if:
- (a) The container or inner liner has been triple rinsed using a solvent capable of removing the commercial chemical product or manufacturing chemical intermediate;

(b) The container or inner liner has been cleansed by another method that has been shown in the scientific literature, or by tests conducted by the generator, to achieve equivalent removal; or

(c) In the case of a container, the inner liner that prevented contact of the commercial chemical product or manufacturing chemical intermediate with the container, has been removed.

See attached list for acutely toxic wastes.

Name	· Number	Substance:	
P023	107-20-0	Acquisitions, chief-	
P002	191-08-2	Action to National Association of the National Action to the Nationa	
	640-19-7	:	
P057	1111 13 (02.744	Action de l'Autornation de la constitute	
P058		Actus acid. Ruores, societte tall	
P002	:91 -08- 2	I-Aggy-3-thouses	
P003	107-02-8	Acroine	
2070	:16-06-3	Aldicare	
P004	309-00-2	Aidne	
P005	07-18-4	Allyi alcohor	
2006	10859-73-8	Alumnaero poctopiste (R.T)	•
P007	: 63-96-4	MARIBOREISVID-INSCRISCIOI	
P008	:04-74-5	LA/Autopyridine	
P009	131-74-8	Amenonium picrett (R)	
P119	103-55-6	Amadeum vanedule	
P099	:06-41-4	Argentate (1-), braicyano-Ch., potassium	
P010	. "7"\$-39-4	Aramaic and HyAsOs	
P012	1327-53-3	Arresis exide AJ:01	
P011	: 303-28-2	Argenie eside AtyOy	
POLI	303-28-2	Arrenet gerototide	
POLZ	1327-53-3	Americ unoside .	•
P038	592-42-2	Aruse, dicibyl-	
P036	696-28-6	Anosous-dichlonde, phenyl-	
P054	151-36-4	Aundime	
P067	*5-5 5-8	Aundine. 2-methyl-	
PO13	542-42-1	Banus cysside :-	
P024 .	:06-47-8	Benaraamine, 4-chlore	
P077 .	100-01-6	Beautagning, 4-nato-	
POZE	100-44-7	Benacie, (chloromethy)>	•
P042 .	11434	1.2-Benzenetiol. 4-(1-hydroxy-2-4-methylaminosethyl) (R)-	
P046	122-09-8	Broarmanamine, aiphs aiphs-dimethyl-	
		Separation.	
P014	108-98-5		
P001	\$1-\$1-2*	14-1-Benzopyran-2-one, 4-hydroxy-3-13-ozo-1-phenvibutyi). & saits, when present at concentrations greater than 0.3%	
P028 .	100-44-7	Bezzy: chlonds	
PO15	1440-41-7	Servituum ne	
P017	598-31-2	Brommertune -	
P018 .	357-57-3	Braces was	
P045	. 39196-18-4	: Butanone. 3.3-dimethyl-l≺methythio⊳. O-{(methylaminoicarbonyi) ozime	
P021 .	. 592-01-8	Calcium systade	
P021	592-01-8	Calcium crearde CalCN ₂	
P022	75-15-0	Curbon distribute ac	
P095	15-44-5	Carbonic dichlands	
		Chlorocontaidehyde	
P023	107-20-0	·	
P024	106-47-8	p-Caloresander	
P026	:344-82-1	I-(o-Chlorophenyi)Likoures	
P027	542-7 6- 7	3-Caloropropressorie 4	
P029	:44-92-3	Coppus synands ::	
P029	:44-97-3	Copper synamics Cut CN1	
P030	-	Cyphidus exclude cystode stitts), not otherwise specified	•
P031 .	460-19-5	Cynnogen	
P033 .	106-77-4	Cystogra-chlondt	
PO33	506-77-4	Cyanogen calonde (CNIC)	
P034		2 Cyclobeay)-4,6-disarrophenol-	
	131-49-5	-• · · ·	
P016	;42 -48- 1	Dichloromethyl ether	
	696-28-6	Dichlorophenytarsine	
PO37	60-57-1	Dislamme.	
P038 .	592-42-2	Diethylarsine :	
F041	311-45-5	Digthyl-g-autrophenyl photohate	
P040	297-97-2	O.O-Dicthyl O-pyralisyl peosphorothioste	
PO43	55-91-4	Dispersovifluoroenestatas (DFP)	
P004	309-00-2	1.4.5.8-Dimethanonaphthalene. 1.2.3.4.10.10-hexachloro-1.4.4a.5. 8.8a-hexanydro-, (1alpha-4alpha-4abeta-5al-	
P060	465-73-6	pha Salpha Sabeta» 1.4.5.8-Dimenanosapathalene. 8.2.3.4.10.10-hexachioro-1.4.4a.5. 8.8a-bezanydro-, (1alpha 4alpha 4abeta 5be-	
		(a. Sbrta. Sabeta)	
P037	50- 57-1	2.7:3.6-Dimenanonaphth(2.3-b)onirene.3.4.5.6.9.9- hexacaloro-(a.2.2a.3.6.6a.7.7a-octanydro-, (1aai- pha.2beta.2axipha.3beta.6beta.6aaipha.7beta.7aziphab-	
P051	*2-20-8*	2.7:3.6-Dimethanonaphthi[2,3-b]ostrene. 3.4.5.6.9.9- hexachloro-(a.2.2a.3.6.6a.7,7a-octahydro-, (iaaj- pha.2beta.2abeta.3alpha.6alpha.6abeta.7beta,7aalphaj-, & metabolites	
P044	60-51-5	Dimethous:	
			*
P046	122-09-8	alpha alpha-Dimethylphenethylamine	19
PO47	534-52-1*	4, 6-Diantro-o-cresol, & salts	ال با
P048	. 51 -28-5	2. 4-Diantrophenol	
P020	18-45-7	Discoulty:	
POSS	152-16-9	Diphosphorasaide, octamentyl-	
P111		Diphosphorus acid, tetrasthyl ester	

Phosphore seid, dieshyl 4-nitrophenyl esier	\$ -\$ #11(1904
Photogram	Z-15-£08.	9604
Phospers	5 -95- 5.	4 €60€
Phoras	2-20-86:	-1 940d
PACACAL VALUE CONTRACTOR CONTRACT	\$~\$ 8~ £0:	£60d
LICENCE SCHOOL STREET	9-38-79	P092
Phenol. 241-methylpropyl)-6 6-dinning. Phenol. 24.6-tinning. ammonium sail (R)	8-94-161	. 020 9
Phenol. J. methyl-4. 6-dinitro. & 1281	•1·25 → £;	7209
- Poesot & Leinnis-	\$-82-15	8104
Persol 2-yelohezyl-4,6-dinitro-	5-68-151	P034
andistrif	Z-81-9;	680d
*Ozabercial.2.1 heptane 2.3-dicamosvise and	£1£4591	\$80d
Shironal mariniO	0-21-91860	7809
4-1) JOEO souto marinto	0-21-91807	£80d
OCTEMENTAL DATE OF THE PROPERTY OF THE PROPERT	6-91-251	P085
V-V-VICOSOMETAVIONE SAME SAME SAME SAME SAME SAME SAME SAM	0-07-67 51	P082
Nirogycznae (A) V-Nirogodimeshviamine	0-69-66	1804
VITOGES CELEG NO	0-11-20101	8109
OM state experiely	6-67-2010:	9104
- Shranda angorthiv.	0-71-20101	8109
P-Murosaninee	9- 10-00!	1104
Spits Altik	6-E+-2010:	3 709
Nicotas & senso. N	•\$•11 → \$	2104
Make green Mil (N)	1-61-723	1109
ACT CARRIES.	6-46-400C1	\$104
Appropriate Control of Color (1-1)	(-6(-{9+(+ +-88-91	5109 E109
Methy paratition: **Idab-Naphibioures	0-00-167	1109
-Meulyliscioninie	5-98-5.	6904
Метри посудава	6-(8-)29	1904
Methyl bydrames	P-9(-09	190d
Методож	2-77-52701	9904
4.7-Menhano-i H-indene. 1.4.5.6.2.8-Freptachloro-Ja.4.7.7a-terranydro-	9 77 9 :	6509
6.9-Medasap-& 6.2-benzodiozsihiepin, 6.7.8.9.10.10-hezaebloro- 1.5.5.6.9.9-hezahydro- 3-oside	6-62-511	0604
· • • • • • • • • • • • • • • • • • • •	8-+1-40; 8-+1-40;	\$11d
Methons terraniro (R)	1-22-205	9104
Methods accounts	6-58-759	9904
Methaname. M-methyt-M-nitroso-	6-51-59	F082
CT.At stantalut victorial	7-98-879 ·	590d
Mercun incrementation of the second of the s	##E-29	5604
M2H1sozazolone. 54amibomenbyle	> 9 6€9£€	7009
Suport State of the State of th	9-{1-4.64	. 0904
Hydroges prophide	7·15·108.	P096
Hydrocrame acid Hydrocrame cyanide	1767. 1767.	(904)
Hydrasines, methyt-	F-9(-09	1904
Hydranacardothionmide	9-61-6.	9114
Heaters in interprete	**************************************	P062
	8-77- 9.	6604
Fulming seid, meteury(2+) salt (R.D)	-98-8 24	P065
Pluoroaceric scid. sodium sait	8-71-29	8604
Pourses and a second se	£-61-09-9	7209
Fembours	ririli. Litti	7097 P056
ELDY-Kriesmase	9-95-151	P604
ETPM CARRIAGE	0.51-70	1014
Elbesimietalbioic scid. N-{((methylsminoicznoobujozy). methyl exiet	6-22-25191	990d
Sinaton of 13	\$=61=09+	16091
Spinetpanes .	r(r i;	P042
Endna, & merabolites	#-01·1.	1504
шъриз	1-07-1.	P031
manners and manner	(4(4))	0004 8804
Ontarious - management - manage	4-62-511 4-55-195	6104
Outsides -	2-15-155	9(0)

£6-15-5+LE

Kesarana Vene	Chemical Abuntus		3745-51-33
Yuman	Year.	Substance-	
7039	:78-04-4	Phosphoropoliticus acid. O.O-distavi S-12-fethvilhiosethvij ester	
()P(094) }	:98-02-2	Phonomeroditaios acid. O.O-dietavi S-lethvithioimetavi) ester	
'2044	*U-51-5	Photographia acid. O.O-dimethyl 5-12-methylamino - 2-usocihyll ester	
P043	15.91-4	Phosphoroziuondes acid. Diti I-meibviethvi) ester	
P089	15-38-2	Phosphorosiniois acid. O O-diethyl O-4 Entirophenyll ester	
P040	: 1".0".	Phospeoretaigic scid. O O-diethyl O- pyraziayl ester	
P097	2.85-7	Phospeorosition acid. O-14-1dimetaviaminonulfonvilphenvil O O-3 imetavi etter	
2071	:11-00-0	Phosphorulaioic scid. O O-dimetavi U-4-aitrophenvii ester	
P110	1-00-2	Plumbane, ietraciavi-	
P098	51-50-8	Potassium cranide	
P098	51-50-8	Potassium evanide (GCN)	
P099	.06-01-0	Fotassium silver cranide	`
P070	16-06-3	Propagal. 2-metavi-2-metavithios O-limetaviaminos carbonvilozime	
P101	07-1:-0	Propenentifile	
P027	42.76.7	Propaneniume, J-chloro-	
P069	*5-86-5	Propagenitatie, 2-hydroxy-2-methyl-	
P081	!!43-0	(.23-Proganetnoi, trinitrate (R)	
PO17	:9 8- 31-2	?-Progunane: 1-brome-	
P102	:07-19-7	Propargy: accide	
P003	107-02-8	2-Progenal	
P005	:07-18-6	2-Propen- I-ol	
P067	*5-55-8	: 2-Progvictimine	
P102	107-19-7	:-Propyn-1-01	
POOS	504245	4-Pyridinamine	
P075	!411-5*	Pyndine, 3-(1-meshvi-2-pyrrotidinvib. (Sb. & saits	
P114	12039-52-0	Scientous acid. dithalitum (+) salt	
P103	503-10-4	Sciencerta	
P104	506-44-9	Silver cyanade ··	
P104	:06- 64-9	Silver craside AgiCN1	•
P105	26628-22-8	Sodium azade	
P106	143-33-9	Sodium cynnide NatCN) Strontium mafide	
P107 P107	3 4-96- 3 4-96-	Streetings suified SrS	
P108	57-24-99	Strychnidia-10-one. 4 talis	
POIS	357-57-3	Strycholdin-10-one, 2.3-dimethoxy-	
P108	57-24-9*	Sinchpine. & salts	
P115	*446-18-6	Suffure acid. dishalliums i •) sait	
P109	3689-24-5	Tetractavidithiopyrophotohate	
P110	18-00-2	Tetractavi icad	
PITI	107-49-3	Telmelavi pyropholohate	
P112	109-14-8	Terrantomethine (R)	
P062	*57-58-4	Tetraphosphone acid, hesseshvi exer	•
P113	:314-32-5	Thallie exists -	
P113	1314-32-5	Thatlinum on ide TijOi	
P114	. 2039-52-0	Thailteam is science	
P115	144-18-4	Thalliques () suiface	
P109	3689-24-5	Thiodiphombane and, letraethyl exer	
P045	39196-18-4	Thiofance	
P049	541-53-7	Thiormidodicarbonic disense ((H ₁ NiC(S)) ₂ NH	
P014	108-18-5	Thiophenes	
P116	*9-19-6 !344-82-1	Thionemearbased: Thionem, (2-chloropheny)>	
P026 P072	16-18-4	Thiouses, 1-capteratesy-	
P093	103-85-5	Thiouren, phenyl-	
P123	5001-35-2	Totanhene	
P118	* *5-70-7	Trichloromethanethiol	
P119	103-55-4	Vanaduc acud, ammonium san	
P120	1314-62-1	Vandrum garde V-03	
P120	1314-62-1	Vanduum penanide	,
P084	4549-40-0	Vinylamine. N-methyl-N-nurroso-	
P001	\$1-81-2*	Warfarin. & salts, when present at concentrations greater than 0.3%	
P121	557-21-1	Ziac cyanide	
P121	557-21-1	Zinc cyanide Zn(CN)	
P122	-314847	Zinc phosphide ZniPy (R.T), when present at concentrations greater than 10%	

^{*}CAS Number given for parent compound only

^{*}Comment: For the convenience of the regulated community, the primary hazardous properties of these materials have been indicated by the letters f itoaicity) and R (reactivity). Absence of a letter indicates that the compound only is listed for acute toxicity.)

Industry and EPA hazardous waste no.	Hazardous waste	Hazard code
FO20	Wastes (except wastewater and spent carbon from hydrogen chloride purification) from the production or manufacturing use (as a reactant, chemical intermediate, or component in a formulating process) of tri- or tetrachlorophenol, or of intermediates used to produce their pesticide derivatives. (This listing does not include wastes from the production of Hexachlorophene from highly purified 2.4.5-trichlorophenol).	(H)
FO2!	Wastes (except wastewater and spent carbon from hydrogen chloride purification) from the production of [sic] manufacturing use (as a reactant, chemical intermediate, or component in a formulating process) of pentachlorophenol, or of intermediates used to produce its derivaties [sic].	(H)
FO22	Wastes (except wastewater and spent carbon from hydrogen chloride purification) from the manufacturing use (as a reactant, chemical intermediate, or component in a formulating process) of tetra-, penta-, or hexachlorobenzenes under alkaline conditions.	(H)
FO23	Wastes (except wastewater and spent carbon from hydrogen chloride purification) from the production of materials on equipment previously used for the production or manufacturing use (as a reactant, chemical intermediate, or component in a formulating process) of tri- and tetrachlorophenois. (This listing does not include wastes from equipment used only for the production or use of Hexachlorophene from highly purified 2.4,5-trichlorophenot.)	(H)
FO26	Wastes (except wastewater and spent carbon from hydrogen chloride purification) from the production of materials on equipment previously used for the manufacturing use (as a reactant, chemical intermediate, or component in a formulating process) of tetra-, penta-, or hexachlorobenzene under alkaline conditions.	(H)
FO27	Discarded unused formulations containing tri-, tetra-, or pentachlorophenol or discarded unused formulations containing compounds derived from these chlorophenols. (This listing does not include formulations containing Hexachlorophene synthesized from prepurified 2.4.5-trichlorophenol as the sole component.)	(H)

This workshood determines evolutions of this material to determine of it is empirical value ECRA as solid water the CFR 261-2/OAC 3745-51-472.

A. WASTE STEEM IDENTIFICATION	
1. MEF 1: 39	2. MTC <u>CO3</u> SRC <u>LA</u> (no MEF for 15 figit to color)
1. EVALUATOR	4. DATE: 2 - / 5 - = 2

To be represent as a tenserious went, a measure must first meas the definition of solid wants. Solid wants are defined as americal that are being "discarded;" takes the measures of approximately that are the definition of solid wants. Materials are completed to be discarded when they are abundaned, recycled in careau measures when they are defined by the EPA as askerously wants the:-Section B must be completed to document the status of the meternal with expect to the definition of solid wants the

Meru the cours	Evaluation Criteria							
~	The material is being abandoned by being disposed of, burned or incincreted; or accumulated, sored, or treated (but not recycled) before or incincreted 40 CFR 261.2(b)/OAC 3745-51-02(8)							
_;0	If the orsternal is being recycled (i.e., used, reused regulation as solid waste. Identify the material sylbelow:	A complete A				n adjacement 7 in the abbent		
	Type of Management							
	Material Type	Ŋ	(10)	(m)	(TV)	m		
		Use consuming disposal (261.2(c)(1)) 3745-51- 02(C)(1))	Energy recovery/fuel (261.2(c)(2)/ 3745-51- 02(C)(2))	Esclamation (261-2(c)(3)/ 3745-51- C(C)(3))	Speculative accumulation (261.2(c)(4)/ 3745-51- 02(C)(4))	0-00: 261.3(a): 776-51-		
	Speed Materials Shadges (fixed in 261.31 or 261.32/OAC 3745- 51-31 or 3745-51-32)	33	en en	. E	ee e	00		
	Studges exhibiting a characturatis By-products (listed in 261.31 or 261.32/OAC 3745-51-31 or 3745-51-32)	· &	ဗ	86 CD	ဗ	0 9		
	By-products exhibiting a characteristic :: Commercial chemical products (listed in 261-23/OAC 2745-51-33) Scrip must	es es	8 8	35) 36)	en en	09 ···		
	If the meternal type/metegement combination are identified by (N) determined not to be regulated as solid wante require 3745-51-02(F)	miled by (Y) then the	s meternal in mabjes	To regulation as at ion as extil wante.	Olid water. If the st Any recycled mass y status 40 CFR	Pintone		
11 /2	Additional required documentation estached The material is inherency waste-like (i.e., identified as hazardous waste F020 - F023, F026 or F022, - 40 CFR 261.2(d)/OAC 3745-51-00(0)							

CLUSIONS TO THE DEFINITION OF SOLID WASTE

- The material is subject to a specific exclusion from the definition of solid wase under 40 CFR 261.4/OAC 3745-51-04. See the anached form EXCLUSIONS TO THE DEFENITION OF SOLID AND HAZARDOUS WASTE.
 - The material is NOT subject to a specific exclusion from the definition of solid waste under 40 CFR 261.4/OAC 3745-51-04.

CHARY STATES OF THE MATERIAL WITH RESPECT TO THE DEFINITION OF HAZARDOUS WASTE

The meserual is regulated under RCRA as solid waste.

The material is not regulated under RCRA as solid wants.

HAZARDOUS WASTE LISTINGS - WORKSHEET

A. WASTE STREAM DENTIFICATION	Seturious vine under 40 CFR 261 Salpen D/OAC 1745-51-30 to-33;-
1. ME 1:	Ti ion 403 no 4V
15 39	2. MTC CO3 SRC A'A (see MEF for 15 Ggit to south)
. EVALUATOR:	4. DATE:
Matthew Tepe	2-15-92
ige of listed speed tolvers at the facility requires explicit evaluation of each w sligged speed tolvers by virtue of the mutility or derived from rules. Moreover list	tine aream to determine if it mean the Entiry description of a spent animometrie me and hazardom weath from non-spendie (F-Entel; 40 CFR 261 J1/OAC 3745-51-31) or i
nes for any and a few ments of the State State of the American Head of the second seco	PMY 10 data become a sack made design made also be south to
CLAST F W TO SECOND POSSESSEY CONTRACTOR. CATALLY VISITED BY THE PRINT OF	H the figure description for figurated appropriated as first and a
with the survey and the servers method it of A-circle; 40 Chr 101711/07CC	1745-51-33) either directly or by virus of the mixture or derived from relationTherefor to the waste directly. These evaluations are documented in motions & through D bel
LISTED SPENT SOLVENTS	Deliver of the second of the s
his waste divers doed does not invest entire many many many times	
onunced, before time, a most of ten percent or more (by volume) of the following	or 40 CFR 261.31/OAC 3745-51-31 that were used for their solvest properties; and in the solvest constituence:
icetone (F003)	methylene chloride (F001, F002) -
berzens (F005) n-buryl sleohol (F003)	meshyl ethyl become (FOOD):
	meshyl isobutyl kelone (FOIS)
arbon tetrachlonde (F001)	auropropane (FOOS)
. hlorobenzene (F002) "	gyndine (F005)
resols (and eresytic scid) (FOO4)	
	toluene (F005)
_ 1.2-dichlorobenzene (F002) _ 2-ethoxyethanol (also called ethylene glycol monochyl ether) (F005)	1,1,1-trichloroethans (F001, F002)
, thyl aceuse (FOOS)	
, shylbenzene (F003)	1,1,2-trichloro-1,1,2-trifluoromhass (F002) trichloroethyless (F001, F002)
cubyl ether (F003)	wichloreth Buoremethans (FOOZ)
:sobutasol (F005)	rylene (F003)
OTHER LISTED WASTES FROM NON-SPECIFIC AND SPECIFIC S	OURCES
his wasse stream does does not rejrele one) most the listing description of a li	sted hazardous waste from a son-specific or specific source (i.e., F or K-Estadous
szardous watte codes identified, if any:	
	•
livele for determination: This material Cannot be mise	d with heardous waste And 10 volazrical from
·	
LISTED DISCARDED COMMERCIAL CHEMICAL PRODUCTS	
is wasse stream does (Goes not Telecle one) meet the listing description of a list values, and spill residues thereof (i.e., P and U-listed wasses), either directly or	Red discarded commercial chemical products, off-specification species, container at the virtue of the mixture or derived from rules.
zardous waste codes identified, if any:	
HONER FOR BELLENIANTE A COMMETCE	I chemical preduct
الخرابي المخراب	24

HUZARDOUS WASTE CHARACTERISTICS - WORKSHIET

This workload decreases overlanes of his married to describe they of the characteristics of heartest were enter 40 CFR 261.24/DAC 2745-51-24.

A. WASTE STREAM IDENTIFICATION						
1. MES #:	· 3 <i>5</i>	2. MTC CC 3 SRC NA (see MEF for 15 Gris lot endest)				
1539 3. EVALUATOR: PLICATURE TESE		4. DATE: 2-15-52				
B. ICNITABILITY (D001)						
Estades des Characteristics	Evaluation Criteria			Rationals		
	2 is a liquid, with Clash point than then 140 P - 261.21(a)(1)/OAC 1745-51-21(A)(1)		12 Not a Liquid			
	It is not a Squid and is capable, under standard temperature on fire through friction, absorption of moisture or opostaneous ab- when ignited, burns so vigorously and persistently that it create 251.21(a)(2)/OAC 3745-51-21(A)(2)	15 Not Read				
-ia Y ==	It is an organishs compressed gas as defined in 49 CFR 173.30 3745-51-21(A)O)	0 - 261.21(a)(3)/OAC	is Net a gas			
<u>K_no</u>	h is an oxidizer as defined in 49 CFR 173.151 - 261.21(a)(4)/ 21(A)(4)	SWI & DEMIZER				
C. CORROSIVE	LA (D003)					
Characteristic	Evaluation Criteria			Rationale		
	It is equeous end has pH of less than or equal to 2 - 261.22(a)(1)/OAC 3745-51-22(A)(1)		ده عدم لنزدنا			
;cs 💢 no	It is equeous and has pH of greater than or equal to 12.5 - 261.22(a)(1)/OAC 3745-51-22(A)(1)		Is Net Liquid			
	It is a liquid and corrodes meet (SAE 1020) at a race greater that a test temperature of 130 F as determined by the NACE test 261.22(a)(2)/OAC 3745-51-22(A)(2)	الع به یه دستی ناط				
D. REACTIVITY	(D003)					
Exhibite the Characteristics	Evaluation Criteria		Rationale			
:a <u>X</u> **	It is correctly unclaim and makily undergoes violent change without discessing + 261.23(a)(1)/OAC 3745-51-23(A)(1)		13 wes a Boar	hie Jubstanie		
_;es X no	It resets violently with water - 261.23(s)(2)/OAC 3745-51-23(A)(2)	-	~ .		
_:- 4 10	It forms potentially explanes mixtures with water - 261.23(a)(23(A)(3)	JYOAC 3745-51-	. `	~		
_:a 大 =	When muted with wreer, it grammes tonic genes, vapors or femals in a quantity sufficient to present a deapter to human health or the environment - 261.23(a)(4)/OAC 3745-51-23(A)(6)		•			
_;a <u>X</u> m	It is a cytoide or sulfide bearing waste which, when exposed to between 2 and 12.5, can pentrus toxic gases, vapors or furnes sufficient to present a danger to beases health or the environm 261.23(a)(5)/OAC 3745-51-25(A)(5)	in a quantity	·			
-;a 4 m	It is capable of detonation or explosive reaction if it is subjects source or if heated under confusement - 261.23(a)(6)/OAC 374	14	,			
_yes <u>X</u> no	It is readily capable of descention or explosive decomposition or reaction at standard temperature and pressure - 261.23(a)(7)/QAC 3745-51-23(A)(7)					
ies 🗘 no	It is a forbidden emplosive us defined in 49 CFR 171.51, or a defined in 49 CFR 173.53 or a Class & emplosive as defined in 261.23(a)(8)/OAC 3745-51-23(A)(8)	٠,				

This vortices decrease entiminated his material to determined it exhibits my of the characteristical homeless contained on CFR 261.21 to 261.22/OAC37G-51-21 to 3745-51-23.

A. WASTE STREAM IDENTIFICATION	
1. M ef /: /539	2. MTC CO3 SEC NA (ma MCE) for 15 digit for mann)
1. EVALUATOR: MATTLE EDE	4. DATE: 2-15-52

B. TOXICITY CRARACTERISTICS					
Exhibits the Characteristic	HW Code -	Constituent	TCLP Concentration (ppm)	Rationale	
yes	D004 D005 D006 D007 D008 D009 D010 D011	arsenie:: barium:: cadmium:: chromium:: lead::: mercury: selenium:: silver:::	5.0 100.0 1.0 5.0 5.0 0.2 1.0 5.0	The material is sustic and documents.	
	D018 D019 D021 D022 D028 D029 D035 D039 D040 D043	benzene carbon tetrachloride chlorobenzene chloroform 1,2-dichloroethane 1,1-dichloroethylene methyl ethyl ketone tetrachloroethylene trichloroethylene vinyl chloride	0.5 0.5 100.0 6.0 0.5 0.7 200.0 0.7 0.5	Material is not a celetite Organic	
	D023 D024 D025 D026 D027 D030 D032 D033 D034 D036 D037 D038 D041 D042	o-cresol and m-cresol and p-cresol and cresol and creso	200.0 200.0 200.0 200.0 7.5 0.13 0.13 0.5 3.0 2.0 100.0 5.0 400.0	Material is not a Semi-Volunte Conganic	
	D012 D013 D014 D015 D016 D017 D020 D031	Endrin Lindens Methoxychlor Toxaphens 2,4-D 2,4,5-TP Silvex Chlordans Heptachlor	0.02 0.4 10.0 0.5 10.0 1.0 0.03 0.008	Material does not contain 7 = sticides 26	

MATERIAL EVALUATION REVIEW

Newly Generated Waste Final Determination

MEF No.: 1539	
MTC: 003 SRC: N/A	
PREPARED BY:	DATE:
REVIEW:	•
TECHNICAL: Jarry Haff	DATE: 2-12-92
EXTERNAL:	DATE: 2-12-92
MANAGEMENT: as SWaugh	DATE: 2/13/52
COMMENTS:(Initial any comments made below):	
* * - Must complete the Determ	iration